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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Gustafsson et al.

Attorney Docket No.:

MXGNP004X1/0311.310

Application No.: 10/629,351

Examiner: UNASSIGNED

Filed: July 29, 2003

Group: 1645

Title: METHODS, SYSTEMS, AND SOFTWARE
FOR IDENTIFYING FUNCTIONAL
BIOMOLECULES

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on January 5, 2006 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Leslie Russell
Leslie Russell

INFORMATION DISCLOSURE STATEMENT WITH STATEMENT
UNDER 37 CFR §§1.56 AND 1.97

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449 copies of which are enclosed, may be material to the examination of the above-identified patent application. These references were cited in a corresponding PCT application. A copy of the PCT Search Report which has a mailing date of November 24, 2005 is enclosed herewith as well. These references are submitted in compliance with the applicant's duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. Accordingly, the Examiner is requested to make these citations official record in this application.

This Information Disclosure Statement is not to be construed as a representation that additional information (material to the examination of this application) does not exist or that the enclosed reference(s) constitute prior art.

Statement under 37 CFR § 1.97(e)

The undersigned hereby states that the references enclosed herewith were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. (37 CFR 1.97(e)(1))

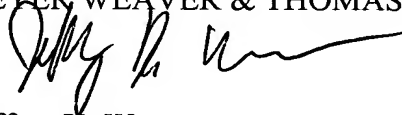
Statement Under 37 CFR §1.704(d)

Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application; this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Accordingly, it is respectfully submitted that no fee is due in conjunction with the filing of this IDS. However, should the Commissioner determine that additional fees are required for filing the present Information Disclosure Statement, the Commissioner is hereby authorized to charge any such fees to our deposit account number 500388 (Order No. MXGNP004X1).

Respectfully submitted,

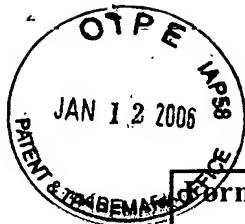
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Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. Application No.: MXGNP004X1/0311.310 10/629,351 Applicant: Gustafsson et al. Filing Date Group July 29, 2003 1645
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U.S. Patent and Publication Documents

Examiner Initial	No.	Patent or Pub No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	2004/0161796	0819/04	Gustafsson et al.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1	WO03/075129	8/13/03	WIPO			X	

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Moore et al., "Computational Challenges in Combinatorial Library Design in Protein Engineering," AIChE Journal, Vol, 50, No. 2, February 2004, Pages 262-272
	C2	Hu et al., "Developing Optimal Non-Linear Scoring Function for Protein Design," Bioinformatics, Vol. 20, Issue 17, 2004, Pages 3080-3098.
	C3	Richard Fox, "Directed Molecular Evolution by Machine Learning and the Influence of Nonlinear Interactions," Journal of Theoretical Biology 234, 2005, Pages 187-199
	C4	Zhang et al., "Genome Shuffling Leads to Rapid Phenotypic Improvement in Bacteria," Nature, Vol. 415, February 2002, Pages 644-646
	C5	PCT Search Report for Int'l Application No. PCT/US2005/022119, dated November 24, 2005
	C6	PCT Written Opinion for Int'l Application No. PCT/US2005/022119, dated November 24, 2005
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.